# 614SX

**600SX - 1000/1200 W TUNGSTEN**



- **Type:** Profile spot
- **Source:** 1000/1200 W Tungsten
- **Optics:** 16° to 35° zoom

Profile spot

# The classic 1/1.2K theatre zoom profile

The most versatile of the Juliat profiles, the medium throw 614 SX is equally happy on-stage, overhead, on side booms, prosceniums or front of house. Its advanced functions and optical quality make this fixture indispensable in opera houses, theatres and studios.
Interchangeable lamp bases can be swapped with the Quincy range to give a choice of tungsten or discharge options.

## Features

- **Multi-function double gate:** simultaneous use of gobos and iris. Sharp focus of both gobo and shutter
- **Shutter gate:** up to 8 shutters. Remove shutters for easy maintenance or tuck fully inside gate for secure transport
- **User-friendly shutter-lock system:** secures shutters' setting in any circumstances (locking efficient up to 4 shutters)
- **Universal gobo holder:** "A" size glass and metal gobo
- **Lens tube lock feature:** secures rotating lens tube against unwanted movement
- **90° rotating lens tube / gate / front accessories holder:** rotation of the projected image is always possible while the lamp remains vertical – no need to move the yoke
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Tilt reference on hanging yoke:** index for rapid re-positioning

## Optical

- **Multiposition socket:** accepts 1000 W and 1200 W lamps
- **Factory set optical train:** no re-alignment even after lamp change
- **SX optical system:** double condenser optics for exceptional optical quality
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus. Focus handles on both sides

## Construction

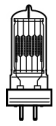
- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **Interchangeable lamp base:** with Sully (115W LED) series
- **Air vents:** efficient cooling with no light spill
- **Bodywork:** strong sheet metal construction for durability
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Easy access to all parts:** easy cleaning, re-lamping and maintenance
- **Spare parts and accessories:** interchangeable across the tungsten, discharge or LED ranges, reducing running costs


Robert Juliat reserves the right to change or alter any of the items detailed on this page, to increase or improve manufacturing techniques without prior notice.
**Robert Juliat S.A.S., 32 rue de Beaumont, 60530 Fresnoy-en-Thelle - France**
**Telephone : +33 (0)3 44 26 51 89 - info@robertjuliat.fr - www.robertjuliat.com**

Picture:614SX

ROBERT JULIAT

## Source



- **Lamp type:** Tungsten
- **Socket:** Gx9.5

| Admissible lamps | Power * | Lumen output* | Colour temperature* | Life* |
|---|---|---|---|---|
| **LIF:** T19 (T11) **- ANSI:** FWP/FWR | 1 000 W | 21 000 lm | 3050K | 750 h |
| **LIF:** CP70 **- ANSI:** FVA/FVB | 1 000 W | 26 000 lm | 3200K | 200 h |
| **LIF:** T29 **- ANSI:** FWS/FWT | 1 200 W | 29 000 lm | 3050K | 400 h |
| **LIF:** CP90 | 1 200 W | 30 000 lm | 3200K | 200 h |

*(*) manufacturer's data*

## Optics

### Characteristics

- **Type:** Zoom
- **Range:** 16° to 35° (Field angle)
- **Focal length:** 127 - 285 mm

### Gel filter

- **Shape:** Square
- **Standard size:** 180x180 mm (7.1x7.1 in)
- **Optional size:** 185x185mm (7.3x7.3")

### Gobo

- **Size:** A
- **Material:** Metal
  Glass

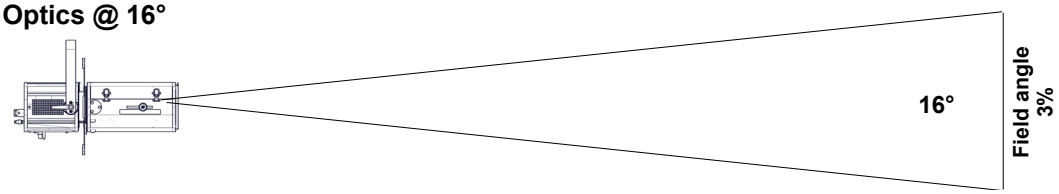



**100 mm**
***Maximum image size**

## Photometrics

optics: 16°-35° / Standard / **LIF:** CP70 **- ANSI:** FVA/FVB 1000W

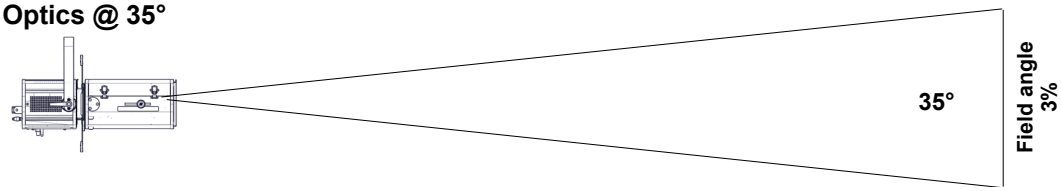
### • Optics @ 16°




**Beam intensity**
190 000 cd

| | | | | | | |
|---|---|---|---|---|---|---|
| **Distance** | 5 m | 10 m | 15 m | 20 m | 25 m | 30 m |
| **Diameter** | 1.4 m | 2.8 m | 4.2 m | 5.6 m | 7 m | 8.4 m |
| **Illumination** | 7 700 lux | 1 950 lux | 850 lux | 480 lux | 310 lux | 220 lux |
| **Distance** | 15 ft | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft |
| **Diameter** | 4.2 ft | 9.8 ft | 14.1 ft | 18.3 ft | 22.5 ft | 28.1 ft |
| **Illumination** | 850 fc | 160 fc | 80 fc | 45 fc | 30 fc | 20 fc |

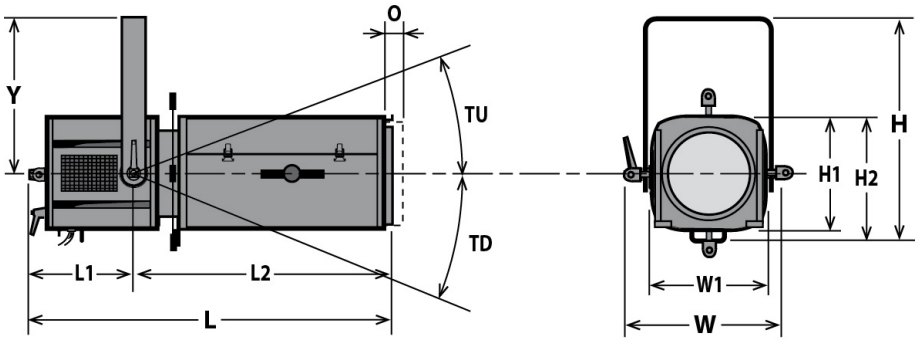
### • Optics @ 35°




**Beam intensity**
51 000 cd

| | | | | | | |
|---|---|---|---|---|---|---|
| **Distance** | 5 m | 10 m | 15 m | 20 m | 25 m | 30 m |
| **Diameter** | 3.2 m | 6.3 m | 9.5 m | 12.6 m | 15.8 m | 18.9 m |
| **Illumination** | 2 050 lux | 520 lux | 230 lux | 130 lux | 85 lux | 60 lux |
| **Distance** | 15 ft | 35 ft | 50 ft | 65 ft | 80 ft | 100 ft |
| **Diameter** | 9.5 ft | 22.1 ft | 31.5 ft | 41 ft | 50.4 ft | 63.1 ft |
| **Illumination** | 230 fc | 42 fc | 21 fc | 13 fc | 8 fc | 6 fc |

## Dimensions and weight




**Weight:** 13 kg (28.6 lbs)

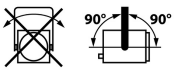
| Height | Length | Width | Yoke | Tilt | Option |
|---|---|---|---|---|---|
| H= 415 mm (16.3 in)<br>H1= 208 mm (8.2 in)<br>H2= 240 mm (9.4 in) | L= 695 mm (27.4 in)<br>L1= 250 mm (9.8 in)<br>L2= 445 mm (17.5 in) | W= 330 mm (13 in)<br>W1= 208 mm (8.2 in) | Y= 280 mm (11 in) | TU= TBD°<br>TD= TBD° | O= 25 mm (1 in) |

## Shipping

- **Weight :** 15 kg (33 lbs)
- **Volume :** .09 $m^3$ (3.18 $ft^3$)

## Installation

- **Minimum distance to illuminated surface:** 2.0 m ( 6.6 ft )
- **Operating position:**




## Warranty

- **Fixture: 2 years**

*See General Sales Condition on website*

## Approvals

CE

## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Convection cooling
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 260°C (500°F)
- **Total heat dissipation:** 3 413 BTU/h
- **Ingress Protection (IP) rating**: IP20

## Electrical compatibility

- 230/240 V - 50 Hz
- ~~115/120 V - 60 Hz~~

## Power input



- **Type:** attached power cord
- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9.8 ft)
- **Power connector:** CEE 7/7 (2P+E NF/Schuko)

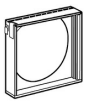
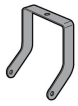
## Power consumption

| Voltage | Frequency | Current | Power |
|---|---|---|---|
| 230 V | 50 Hz | 5 A | 1000 W |
| 230 V | 50 Hz | 6 A | 1200 W |

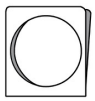
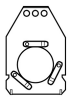
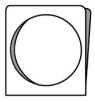
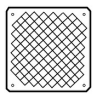
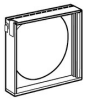
## Model

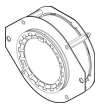
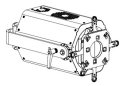
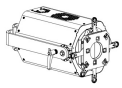
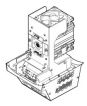
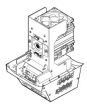
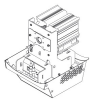
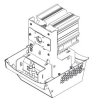
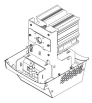
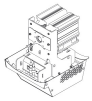
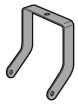
| | |
|---|---|
| **614SX** | 1000/1200 W Tungsten Profile spot - Gx9.5 socket - 614SX - 16/35° |

## Options

| | | |
|---|---|---|
| **CAV600** | Double slot front cassette for 180x180mm accessories |  |
| **CAV600E** | Double slot front cassette for 185x185mm accessories |  |
| **PCP1716A** | 16A blue 2P+E 6h IEC60309 power connector |  |
| **FCD600PV** | Angled yoke |  |

## Accessories

| | | |
|---|---|---|
| **D8** | Shutter for SX series<br>**4 included** |  |
| **PF500M2** | 180x180mm metal filter holder<br>**1 included** |  |
| **SGUX** | Universal "A" size gobo-holder (metal, glass, frosted glass)<br>**1 included** |  |
| **CP70** | CP70 - Gx9.5 1000W 230V 200h 3200K lamp |  |
| **T19 (T11)** | T19 (T11) - Gx9.5 1000W 230V 750h 3050K lamp |  |
| **CP90** | CP90 - Gx9.5 1200W 230V 200h 3200K lamp |  |
| **IWSX755** | Drop-in iris (monoplane) with holder - Weight: 0.26 Kg |  |
| **PF600M2** | 185x185mm metal filter holder |  |
| **G500** | 180x180mm safety grid |  |
| **CAV600A** | Double slot front cassette for 180x180mm accessories - Weight: 0.43 Kg |  |
| **CAV600AE** | Double slot front cassette for 185x185mm accessories - Weight: 0.45 Kg |  |
| **RPF613** | 180x180mm front extension cassette for 215x215mm accessories without fan (recommended for dark colours on 613SX/663SX) - Weight: 1.5 Kg |  |

| | | |
|---|---|---|
| **RPF613E** | 180x180mm front extension cassette for 245x245mm accessories without fan (recommended for dark colours on 613SX/663SX) |  |
| **APH 68LED** | Double-condenser set for Led profile - Weight: 0.58 Kg |  |
| **LPCAR-X4** | Ø152mm Plano-convex lens with anti-reflective coating for 6X4SX profile - Weight: 0.57 Kg | |
| **LH/670SXCW** | 600W CW LED profile lamp house Bizet for 6X1/6X3/6X4/713/714SX optics with yoke - Weight: 15 Kg |  |
| **LH/670SXVW** | 500W VW LED profile lamp house Bizet for 6X1/6X3/6X4/713/714SX optics with yoke - Weight: 15 Kg |  |
| **T/650DNSX4C** | SULLY 200W LED compartment with display and network - 4 colours - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.88 Kg |  |
| **T/650DSX4C** | SULLY 200W LED compartment with display - 4 colours - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.88 Kg |  |
| **T/650DSXCW** | SULLY 115W LED compartment with display - Cool White - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.33 Kg |  |
| **T/650DSXWW** | SULLY 115W LED compartment with display - Warm White - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.33 Kg |  |
| **T/650SXCW** | SULLY 115W LED compartment - Cool White - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.27 Kg |  |
| **T/650SXWW** | SULLY 115W LED compartment - Warm White - 3 meter power cable with CEE 7/7 (2P+T NF/SCHUKO) connector - Weight: 2.27 Kg |  |
| **VD120** | 120x120mm frosted glass |  |
| **FCD600** | Angled yoke |  |
| **TH600** | 180x180mm "Top hat" (without safety cable) - ø150mm / 150mm long |  |
| **876** | Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Weight: 1.25 Kg |  |
| **880** | Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Weight: 1.36 Kg |  |
| **CS2** | Safety cable Ø3 mm L= 600mm - SWL: 75 Kg |  |